

## MAIN INSTALLATION CHECKLIST

Unless otherwise noted, all code references are to 49CFR Part 192.  
If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

<b>Operator:</b> AMEREN ILLINOIS COMPANY	Operator ID#: 32513
<b>Inspection Date(s):</b> 9/22/2015, 9/23/2015, 9/24/2015	Man Days: 3
<b>Inspection Unit:</b> Effingham	
<b>Location of Audit:</b> Effingham	
<b>Exit Meeting Contact:</b> Kevin Glaspy	
<b>Inspection Type:</b> Design Testing and Construction	
<b>Pipeline Safety Representative(s):</b> Donald Hankins	
<b>Company Representative to Receive Report:</b> Michael Fuller	
<b>Company Representative's Email Address:</b> mfuller2@ameren.com	

CONSTRUCTION INFORMATION		
<b>Location of Construction:</b> Hwy 40 Teutopolis, Illinois	<b>Construction Performed By:</b> K & S Energy	
<b>Contractor Foreman:</b>	Gerald Howard, Foreman	
<b>Operator Inspector:</b>	Kevin Glaspy, Quality Assurance	
Person(s) On Job Site		
Gerald Howard	Jeremy Rolson	Gary Shorey
Rich Brimeyer	Brian Loehr	
<b>Description of Construction:</b> K&S Energy was installing a 4 inch gas main extension at Hwy 40 in Teutopolis, Illinois. The gas pipe was 4 inch Driscoplex pipe. The main extension was 1165 feet long, with the Julie one call number being A002531553.		

MAIN INSTALLATION		Status
[192.55]	Steel	No
<b><u>General Comment:</u></b> <i>No steel pipe was installed.</i>		
[192.59]	PE	Yes
<b><u>General Comment:</u></b> <i>4 inch Driscoplex pipe.</i>		
[192.59]	Other	No

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<b><u>General Comment:</u></b>		
<i>No other pipe was installed.</i>		
[192.5]	Class location :	<b>Class 3</b>
[192.619,192.621,192.623]	MAOP	<b>60# MAOP</b>
[192.63]	Pipe Size :	<b>4 Inch</b>
[192.55,192.59]	Specification :	<b>ASTM D-2513</b>
[192.55,192.59]	Manufacturer :	<b>Driscoplex Pipe</b>
[192.55,192.59]	Pipe Grade :	<b>PE 2406/2708</b>
[192.55,192.59]	Wall Thickness :	<b>0.391 wall</b>
[192.63(a)(2)]	Are pipe, valves, and fittings properly marked for identification?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>The pipe and fittings were marked properly.</i>		
[192.227]	Date of Welder qualification:	<b>No Welder</b>
[192.227]	Welder's Name:	<b>No Welder</b>
[192.225,192.275,192.277,192.279,192.283]	Is pipe joined in accordance with approved written procedures?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Pipe was joined according to Ameren procedures.</i>		
[192.285]	Date of Plastic Joining Qualification :	<b>3-18-15</b>
[192.285]	Joiner's name:	<b>Gerald Howard</b>
[192.455]	Is buried metallic pipe coated?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>No buried metallic pipe at this job site.</i>		
[192.461]	Does coating meet 192.461?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>The pipe was all plastic pipe.</i>		
[192.455(a)(1)]	Is cathodic protection being provided?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>The pipe was all plastic pipe.</i>		
[192.455(a)(1)]	Is cathodic protection being provided? By Anodes:	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>The pipe was all plastic pipe.</i>		

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[192.455(a)(1)]	Is cathodic protection being provided? By Rectifier:	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>The pipe was all plastic pipe.</i>		
[192.461(c)]	Is coating inspected just prior to being installed in the ditch?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>The pipe was all plastic pipe.</i>		
[192.467]	Are pipelines electrically isolated from other underground metallic structures?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>There was no other metallic structures in this area.</i>		
[192.479]	Are above ground facilities cleaned and coated or jacketed as needed?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>There was no above ground piping in this area.</i>		
[192.303]	Are comprehensive written construction specifications available and adhered to?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>The operator had written specifications on this job.</i>		
[192.305]	Are inspections performed by the operator to check adherence to the construction specifications?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Ameren Illinois had an inspector on the job with the construction specifications in hand.</i>		
[192.307]	Is material being visually inspected at the site of installation to ensure against damage that could impair its serviceability?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>The PE pipe was visually inspected as it was installed.</i>		
[192.319]	Is ditch back-filled to provide firm support and prevent damage to pipe or coating?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>The pipe was placed into the ditch on firm ground before back-filling was done.</i>		
[192.321(c)]	Is plastic pipe installed as to minimize shear and tensile forces?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>The plastic pipe was installed to minimize shear and tensile forces.</i>		
[192.321(e)]	Does plastic pipe have means of locating while underground?	<b>Satisfactory</b>

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<b><u>General Comment:</u></b>		
<i>Tracer wire was included into the ditch for locating purposes.</i>		
[192.325]	Are required clearances from underground structures being maintained?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>There was no other underground structures in this area.</i>		
[192.327]	Is required cover being obtained appropriate to type of pipeline and location?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>The required depth was maintained during this installation.</i>		
[192.503]	Are general testing requirements being met?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>Staff did not see the pressure test.</i>		
[192.517]	Are records being made of strength and leak tests?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>Staff did not see the strength and leak test results on this job.</i>		
[192.807]	Were covered employees Operator Qualification records reviewed to ensure qualification?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Staff inspected the qualification records of all employees doing tasks on this job.</i>		
[192.805(c)]	Were non-qualified personnel being directed and observed by a qualified individual?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>All employees were qualified to complete the covered tasks.</i>		
[192.805(c)]	Were span of control limitations being followed?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>All employees were qualified to do the covered tasks.</i>		
Was a Protocol 9 (Form 15) Completed?		<b>No</b>
<b><u>General Comment:</u></b>		
<i>A protocol 9 form was not completed during this audit.</i>		
[192.614]	Were One Call Notifications performed as required?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>K&amp;S Energy had a Julie one call notification at this job site.</i>		

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[192.614]	Dig Ticket #	<b>A002531553</b>
[192.751]	Are adequate steps taken to minimize the potential for accidental ignition?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>K&amp;S Energy took steps to prevent accidental ignition.</i>		
[192.719(b)]	Was each repair made by welding to a transmission line made in accordance with 192.713, 192.715, and 192.717 and examined in accordance with 192.241?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>No welding was done on this job, this was an all plastic gas system.</i>		

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